



Key Benefits

Power

- Packet Velocity ASIC*
- High Performance SSL & Compression
- High Performance Switching Fabric

Manageability

- Lights-Out Management
- Multi-Boot Support
- LCD for Simplified Management
- Port Flexibility
- PCI Slots
- Independent Secure Management Access

*except 1500

Application Switches

Multi-Gigabit L4-7 Application Delivery Solutions

F5's Application Delivery Networking products feature ground-breaking, next generation platforms that provide unmatched power to dramatically improve Layer 4-7 traffic throughput, administrative ease of use, and provide more application aware traffic management.

Supports the Largest Sites and Heaviest Load

BIG-IP platforms feature extreme capacity for handling the heaviest traffic loads at both Layer 4 and Layer 7. F5 solutions outpace every other product on the market in terms of key performance metrics in Layer 4, Layer 7, SSL processing, and HTTP compression – all running concurrently. These powerful platforms provide superior scalability for making in-depth Layer 7 decisions with extensive server and application acceleration capabilities for a high performance and unified network device.

Ground-Breaking Performance

F5 delivers the industry's fastest unified application delivery networking solution with an architecture that merges a high performance switching fabric with individual hardware optimizers. This gives you real-world performance at network speeds, enabling the successful and secure delivery of your applications.

Up to a 50% Increase in Layer 7 Performance

BIG-IP, with its TMOS architecture, delivers a unique set of optimization techniques to boost application performance across all platforms. Isolating client-side from server-side flows independently optimizes communication for each connecting device, translating communications between systems for greater infrastructure scalability and outstanding application performance.

Integrated Hardware Compression Offloads Server

F5's 8800, 8400, 6800, and 6400 platforms offer an optional HTTP Compression ASIC that enables organizations to cost effectively offload compression processing to the network while increasing server capacity. By migrating compression onto the network, administrators can realize up to a 20% improvement in server capacity, application performance (scales up to 6 Gbps), and application response times for user.

Heightened Security and Protection of Sensitive Content

The 6800 and 6400 BIG-IP platforms deliver unmatched scalability for FIPS processing to meet regulatory requirements specified in the FIPS 140-2 Level 2 and HIPAA standards. F5 enhances SSL security using hardware to encrypt and decrypt both the keys and data, leading the market in SSL TPS and bulk encryption. All other platforms offer best-in-market SSL TPS and bulk encryption via an optional hardware optimizer.

Future Proofs the Network

All Gigabit architecture with Gigabit Ethernet ports (copper or fiber) future proofs the network to accommodate both the increasing demands of applications and increasing server capacity.

Easy to Manage for Reduced Cost of Ownership

Multi-boot support, warm upgrades, lights-out management, remote boot, superior system instrumentation, hard drive, and USB support reduces downtime, lowers TCO, and provides superior reliability for platform longevity. Selected platforms also offer hot-swappable components and redundant power supply and fans.

BIG-IP is available on six different platforms:



8800 Series

Processor: Dual CPU, Dual Core (4 processors)
Base Memory: 4GB
ASIC: Packet Velocity ASIC 10
Gigabit Ethernet Ports: 12 (Copper or Fiber)
10 Gigabit Fiber Ports: 2 (XFP pluggable optics)
Included SSL TPS/Max TPS/Bulk Crypto:
100/48,000/6 Gbps
Traffic Throughput: 10 Gbps - L4; 8 Gbps - L7
Hardware Compression: 6 Gbps
Dimensions:
3.5"H x 17.25"W x 23.75"D (per unit) 2U
industry standard rack-mount chassis; designed
for IEC standards supporting 19" rackmounted
equipment
Weight: 43 lbs. (dual power)
Operating Temperature:
41° to 104° F (5° to 40° C) per Telcordia
GR-63-CORE 5.1.1 and 5.1.2
Relative Humidity:
10 to 90% @ 40° C, per Telcordia
GR-63-CORE 5.1.1 and 5.1.2
Safety Agency Approval:
UL 60950-1-2002
CSA-C22.2 No. 60950-1-03
CB TEST CERTIFICATION TO IEC 950, EN 60950
**Electromagnetic Emissions
Certifications/Susceptibility Standard:**
EN55022: 1998: + A1: 2000+A2: 2003
EN6100-3-2: 2000 and
EN6100-3-3: 195+A1: 2000
EN55024: 1998+A1: 2001+A2: 2003
Class A
FCC Part 15B Class A
Maximum Power Consumption: 460 W
Maximum Heat Output: 1962 BTUs
Input voltage:
90-240 VAC +/- 10%
30-72 VDC (optional)
90-132 9A
180-264 4A

8400 Series

Processor: Dual CPU
Base Memory: 2GB
ASIC: Packet Velocity ASIC 10
Gigabit Ethernet Ports: 12 (Copper or Fiber)
10 Gigabit Fiber Ports: 2 (XFP pluggable optics)
Included SSL TPS/Max TPS/Bulk Crypto:
100/22,000/2.5 Gbps
Traffic Throughput: 10 Gbps - L4
Available Hardware Options: Hardware
Compression 2 Gbps
FIPS Processing (7,000 TPS and 1.5 Gbps SSL
Throughput)
Dimensions:
3.5"H x 17.25"W x 23.75"D (per unit) 2U
industry standard rack-mount chassis; designed
for IEC standards supporting 19" rackmounted
equipment
Weight: 40 lbs. (single power), 43 lbs.
(dual power)
Operating Temperature:
41° to 104° F (5° to 40° C) per Telcordia
GR-63-CORE 5.1.1 and 5.1.2
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EN55024: 1998+A1: 2001+A2: 2003
Class A
FCC Part 15B Class A
Maximum Power Consumption: 460 W
Maximum Heat Output: 1962 BTUs
Input voltage:
90-240 VAC +/- 10%
30-72 VDC (optional)
90-132 9A
180-264 4A

6800 Series

Processor: Dual CPU
Base Memory: 2GB
ASIC: Packet Velocity ASIC 2
Gigabit Ethernet CU Ports: 16
Gigabit Fiber Ports (SFP-GBIC Mini):
4 (2 standard, 2 optional)
Included SSL TPS/Max TPS/Bulk Crypto:
100/20,000/2 Gbps
Traffic Throughput: 4 Gbps
Available Hardware Option: Hardware
Compression 2 Gbps
FIPS Processing (7,000 TPS and 1.5 Gbps SSL
Throughput)
Dimensions:
3.5"H x 17.25"W x 23.75"D (per unit) 2U
industry standard rack-mount chassis; designed
for IEC standards supporting 19" rackmounted
equipment
Weight: 40 lbs. (single power), 43 lbs.
(dual power)
Operating Temperature:
41° to 104° F (5° to 40° C) per Telcordia
GR-63-CORE 5.1.1 and 5.1.2
Relative Humidity:
10 to 90% @ 40° C per Telcordia
GR-63-CORE 5.1.1 and 5.1.2
Safety Agency Approval:
UL 60950 (UL1950-3)
CSA-C22.2 No. 60950-00 (Bi-national standard
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EN6100-3-3:195+A1: 2000
EN55024: 1998+A1: 2001+A2: 2003
EN55024 1998 Class A
FCC Part 15B Class A
Maximum Power Consumption: 400 W
Maximum Heat Output: 1365 BTUs
Input Voltage:
90-240 VAC +/- 10%
30-72 VDC (optional)
90-132 9A
180-264 4A



6400 Series

Processor: Dual CPU
Base Memory: 2 GB
ASIC: Packet Velocity ASIC 2
Gigabit Ethernet CU Ports: 16
Gigabit Fiber Ports (SFP-GBIC Mini):
 4 (2 standard, 2 optional)
Included SSL TPS/Max TPS/Bulk Crypto:
 100/15,000/2 Gbps
Traffic Throughput: 2 Gbps
Available Hardware Option: Hardware
 Compression 2 Gbps
 FIPS Processing (7,000 TPS and 1 Gbps SSL
 Throughput)

Dimensions:
 3.5"H x 17.25"W x 23.75"D (per unit) 2U
 industry standard rack-mount chassis; designed
 for IEC standards supporting 19" rackmounted
 equipment

Weight: 40 lbs. (single power), 43 lbs.
 (dual power)

Operating Temperature:
 41° to 104° F (5° to 40° C) per Telcordia
 GR-63-CORE 5.1.1 and 5.1.2

Relative Humidity:
 10 to 90% @ 40° C per Telcordia
 GR-63-CORE 5.1.1 and 5.1.2

Safety Agency Approval:
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 EN6100-3-2: 2000 and
 EN6100-3-3:195+A1: 2000
 EN55024: 1998+A1: 2001+A2: 2003
 EN55024 1998 Class A
 FCC Part 15B Class A

Maximum Power Consumption: 400 W

Maximum Heat Output: 1365 BTUs

Input Voltage:
 90-240 VAC +/- 10%
 30-72 VDC (optional)
 90-132 9A
 180-264 4A



3410/3400 Series

Processor: Single CPU
Base Memory: 1 GB
ASIC: Packet Velocity ASIC 2

| | |
|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| 3410 Ports | 3400 Ports |
| Gigabit Fiber Ports (SFP - GBIC Mini): 10 | Gigabit CU Ports: 8 Gigabit Fiber Ports (SFP - GBIC Mini): 2 optional |

Included SSL TPS/Max TPS/Bulk Crypto:
 100/5,000/1 Gbps

Traffic Throughput: 1 Gbps

Dimensions:
 17.5"w x 25"(OAL)/23.5" behind mounting
 ears x 1.75" (1U)

Weight: 22 lbs.

Operating Temperature:
 41° to 104° F (5° to 40° C) per Telcordia
 GR-63-CORE 5.1.1 and 5.1.2

Relative Humidity:
 10 to 90% @ 40° C per Telcordia
 GR-63-CORE 5.1.1 and 5.1.2

Safety Agency Approval:
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 EN6100-3-3:195+A1: 2000
 EN55024: 1998+A1: 2001+A2: 2003
 EN55024 1998 Class A
 FCC Part 15B Class A

Maximum Power Consumption: 300 W

Maximum Heat Output: 1025 BTUs

Input Voltage:
 90-240 VAC +/- 10%
 30-72 VDC (optional)
 90-132 6A
 180-264 3A



1500 Series

Processor: Single CPU
Base Memory: 768 MB
ASIC: None
Gigabit Ethernet CU Ports: 4
Gigabit Fiber Ports (SFP-GBIC Mini): 2 optional
Included SSL TPS/Max TPS/Bulk Crypto:
 100/2,000/500 Mbps
Traffic Throughput: 500 Mbps

Dimensions:
 17.5"w x 21.5"(OAL)/20.0" behind mounting
 ears x 1.75" (1U)

Weight: 19 lbs.

Operating Temperature:
 41° to 104° F (5° to 40° C) per Telcordia
 GR-63-CORE 5.1.1 and 5.1.2

Relative Humidity:
 10 to 90% @ 40° C per Telcordia
 GR-63-CORE 5.1.1 and 5.1.2

Safety Agency Approval:
 UL 60950 (UL1950-3)
 CSA-C22.2 No. 60950-00 (Bi-national standard
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 Certifications/Susceptibility Standard:**
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 EN6100-3-2: 2000 and
 EN6100-3-3:195+A1: 2000
 EN55024: 1998+A1: 2001+A2: 2003
 EN55024 1998 Class A
 FCC Part 15B Class A

Maximum Power Consumption: 300 W

Maximum Heat Output: 1025 BTUs

Input Voltage:
 90-240 VAC +/- 10%
 30-72 VDC (optional)
 90-132 6A
 180-264 3A



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